

PHYSICS (PHY)

PHY-1001 Physics and the Modern World (3 Credits)

This course is designed for non-science majors who desire a basic, practical understanding of physics. Subject areas include Newtonian physics, fluids and heat, electricity and magnetism, wave motion, optics, the atom and relativity. Contemporary issues of technology using physics are discussed, such as designing efficient, inexpensive computers, using charge-coupled devices (CCDs) in camcorders, television and medical imaging. Two lectures and two hours of laboratory each week. (Integrated class) Lab fee.

Fulfills General Education Requirement: NPW

Typically offered: Fall Only

PHY-2001 General Physics I (4 Credits)

Requisite(s): PHY-2001L, MAT-1107, PHY-2001R

An elementary consideration of the fundamental laws and concepts of mechanics, heat, sound, light, electricity, and magnetism; experimental study of various topics made in the laboratory.

Typically offered: Fall Only

PHY-2002 General Physics II (4 Credits)

Requisite(s): PHY-2001, PHY-2002L, PHY-2002R

Continuation of PHY 2001.

Typically offered: Spring Only

PHY-4995 Independent Study in Physics (1-4 Credits)

Requisite(s): #, Take 96 credits;

Individual research in an approved area. Library research, conferences, report, or special project. Approval of the department Chairperson is required.

Typically offered: As Needed